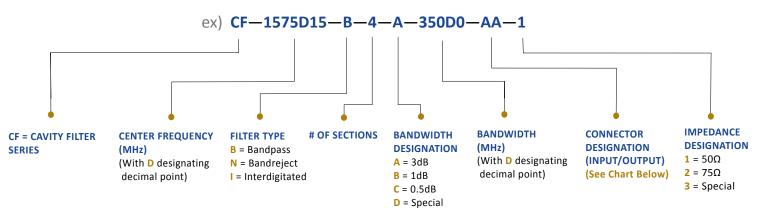


## **Custom Cavity Filter Specifications**

Wi2Wi CF-Series Filters are evanescent mode Custom Cavity Filters. These can be customized to your particular requirements and applications. The CF-Series Filters can be manufactured in Bandpass and Bandstop (Notch) configurations. Wi2Wi will provide rapid prototyping of custom frequencies and bandwidths for your prototyping needs, mass production capability, and competitive pricing.

## CF1575.15B4A350.0AA1



Filter Applications and Performance Ranges		
Primary Applications		
Ground-Based RADAR , Radio Receivers , Radio Transmitters , Base Station Systems		
Electrical Specifications		
Frequency Range	400MHz to 20,000MHz	
Percentage Bandwidth (assuming bandpass application)	0.5 to 60%	
Return Loss	14dB Typical	
Input Power	10 Watts, Standard	
Types, Responses and Topologies		
Filter Types Available	Bandpass , Cross-Coupled Bandpass , Bandreject	
Typical Filter Responses	Chebyshev , Butterworth , Bessel , Linear Phase	
Topologies	Single , Multiplexer , Interdigital , Custom Configurations	
Standard Environmental Specifications		
Operating Temperature Range	0°C to +70°C, Typical	
Storage Temperature Range	-55°C to +125°C, Typical	
Humidity	0 to 95%, Non-Condensing	
Vibration	Up to 5 G's	
Shock	Up to 5 G's	
Altitude	Up to 70,000 Feet	

Connector Chart		
Connectors	Code	
SMA Jack	А	
SMA Plug	В	
N Jack	С	
N Plug	D	
BNC Jack	Е	
BNC Plug	F	
TNC Jack	G	
TNC Plug	Н	
SMB Jack	I	
SMB Plug	J	
SMC Jack	K	
SMC Plug	L	
7/16 DIN Jack	M	
7/16 DIN Plug	N	
SMT	Р	
Thru Hole	Q	
An "R" designation will be used to indicate a right angle connector configuration		
An "X" designation will be used		

to indicate a non-standard or custom configuration

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